

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

CGI Windows & Doors 10100 NW 25th Street Miami, FL 33172

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Sentinel" Unclipped, Extruded Aluminum Tube Mullion - L.M.I.

APPROVAL DOCUMENT: Drawing No. M10-01, titled "Series Sentinel Unclipped Alum. Mullions", sheets 1 through 7 of 7, dated 04/02/10, with revision C dated 02/25/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 11-1031.07 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

(MIAMI-DADE COUNTY)
APPROVED

12/27/15

NOA No. 14-1103.09 Expiration Date: September 22, 2020 Approval Date: March 05, 2015 Page 1

CGI Windows & Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No M10-01, titled "Series Sentinel Unclipped Alum. Mullions", sheets 1 through 7 of 7, dated 04/02/10, with revision C dated 02/25/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum tube mullion, prepared by Hurricane test Laboratory, LLC, Test Report No.

HTL-0080-0303-11, dated 03/24/11, signed and sealed by Vinu J. Abraham, P.E. (Submitted under NOA No.11-0330.22)

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of an aluminum tube mullion, prepared by Hurricane test Laboratory, LLC, Test Report No.

HTL-0080-0301-10, dated 03/30/10, signed and sealed by Vinu J. Abraham, P.E. (Submitted under NOA No.10-0510.14)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-5th Edition (2014), dated 09/23/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

Manuel Perez, P.E. Product Control Examiner

NOA No. 14-1103,09

Expiration Date: September 22, 2020 Approval Date: March 05, 2015

CGI Windows & Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

- 1. Statement letter of conformance, complying with FBC-5th Edition (2014), and of no financial interest, dated October 4, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- 2. Laboratory compliance letter for Test Report No. HTL-0080-0303-11, issued by Hurricane Test Laboratory, LLC, dated March 24, 2011, signed and sealed by Vinu J. Abraham, P.E.

(Submitted under NOA No.11-0330.22)

- 3. Laboratory compliance letter for Test Report No. HTL-0080-0301-10, issued by Hurricane Test Laboratory, LLC, dated March 30, 2010, signed and sealed by Vinu J. Abraham, P.E.
 - (Submitted under NOA No. 10-0510.14)
- 4. Proposal No. **09-1942** issued by BCCO, dated November 05, 2009, signed by Manuel Perez, P.E.

(Submitted under NOA No.10-0510.14)

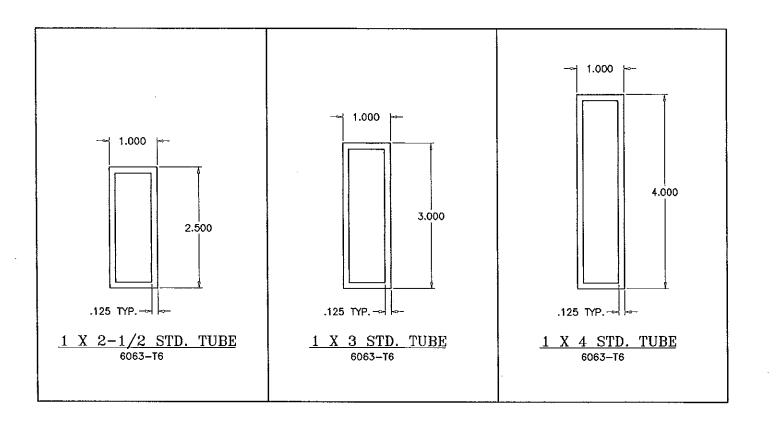
G. OTHERS

1. Notice of Acceptance No. 11-1031.07, issued to CGI Windows and Doors for their Series "Sentinel" Unclipped Extruded Aluminum Tube Mullion - L.M.I. approved on 01/12/12 and expiring on 09/22/15.

Manuel Perez, P.E.
Product Control Examiner

NOA No. 14-1103.09

Expiration Date: September 22, 2020 Approval Date: March 05, 2015



SERIES SENTINEL UNCLIPPED ALUMINUM MULLIONS WINDOW FRAME MEMBER INCLUDED IN PROPERTIES

THESE MULLIONS TO BE USED WITH SERIES 130 SENTINEL FIXED WINDOW SERIES 110 SENTINEL SINGLE HUNG WINDOW SERIES 120 SENTINEL HORIZ, SLIDING WINDOW FOR WINDOWS IMPACT AND LOAD RATINGS SEE CORRESPONDING NOA'S. LOWER DESIGN PRESSURE FROM WINDOW APPROVALS OR MULLION CHARTS WILL APPLY TO ENTIRE SYSTEM.

NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE BUILDING CODE REQUIREMENTS I.E: WIND LOAD, WATER INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC.).

ANCHORING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE.

THESE MULLIONS ARE RATED FOR LARGE & SMALL MISSILE IMPACT

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

DETERMINE DESIGN LOAD REQUIRED PER ASCE 7 FOR PARTICULAR OPENING.

STEP 2 USE CONNECTION OF WINDOWS TO MULLION AS PER PRODUCT APPROVAL.

USING CHARTS ON SHEETS 3 THRU 5 SELECT MULLION TYPE AND ANCHOR QUANTITIES WITH DESIGN RATING MORE THAN THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

CAPACITY OF SELECTED CGI'S WINDOWS AND MULLION MUST EQUAL OR EXCEED REQUIRED LOADS.

Engr: JAVAD AHMAD CML FLA. PE # 70592 C.A.N. 3538

as complying with the Florida PE 70592
AN. 3538

Building Code Acceptance No 14-1103.09
Expiration Date 5251.22, 2020

By Manual Rada Broduct Courts

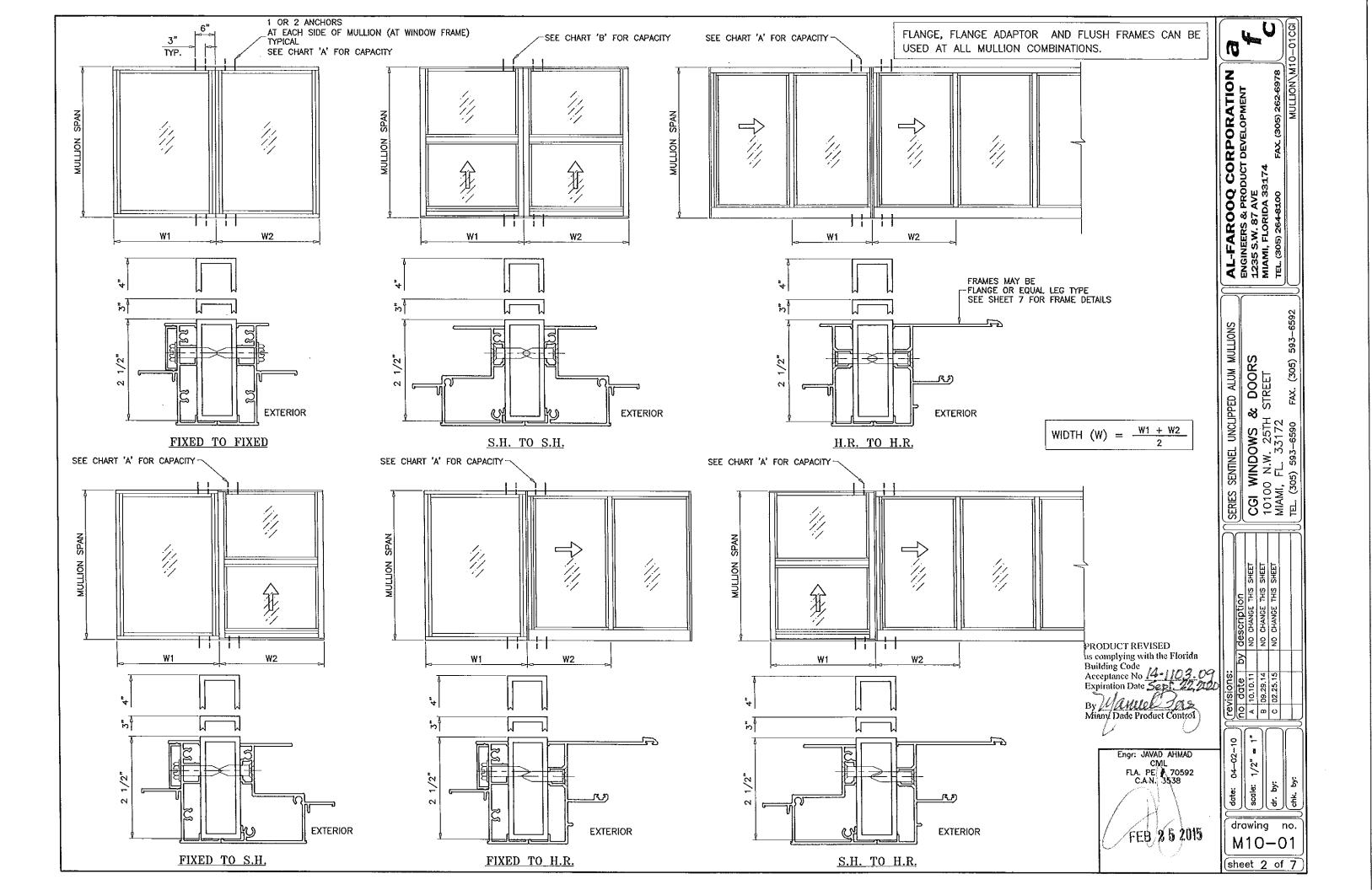
PRODUCT REVISED

Mianti Dade Product Control

CGI WINDOWS & DOORS 10100 N.W. 25TH STREET MIAMI, FL. 33172 TEL. (305) 593-6590 FAX. (305) 59 SENTINEL UNCLIPPED ALUM 5 6 4 8 0 è. | ₩ drawing no. M10 - 01sheet 1 of 7

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100
FAX. (305) 262-6978

MULLIONS



MULLION WITH ANY COMBINATION OF SERIES SENTINEL FIXED, HORIZONTAL SUIDING OR SINGLE HUNG WINDOWS								
WINDO	W DIMS.	1 ANCHOR AT EACH SIDE OF MULLION			2 ANCHORS AT EACH SIDE OF MULLION			
WIDTH (W)	MULL SPAN	MULL TUBE 1 X 2-1/2	MULL TUBE 1 X 3	MULL TUBE 1 X 4	MULL TUBE 1 X 2-1/2	MULL TUBE 1 X 3	MULL TUBE 1 X 4	
19-1/8"		90.0	90.0	90.0	90.0	90.0	90.0	
26-1/2"	•	90.0	90.0	90.0	90.0	90.0	90.0	
37"	50-5/8"	90.0	90.0	90.0	90.0	90.0	90.0	
49"		85.0	85.0	85.0	90.0	90.0	90.0	
53-1/8"		85.0	85.0	85.0	90.0	90.0	90.0	
19-1/8		90.0	90.0	90.0	90.0	90.0	90.0	
26-1/2"		82.6	82.6	82.6	90.0	90.0	90.0	
37°	63"	66.1	66.1	66.1	82.5	90.0	90.0	
49"		57.7	57.7	57,7	70.0	90.0	90.0	
53-1/8"		56.2	56.2	56.2	67.8	90.0	90.0	
19-1/8*		80.7	85.7	85.7	80.7	90.0	90.0	
26-1/2"		59.6	65.5	65.5	59.6	79.5	90.0	
37°	76"	44.8	51.2	51.2	44.8	59.8	90.0	
49"]	36.6	43.1	43.1	36.6	48.8	85.8	
53-1/8"		34.9	41.5	41.5	34.9	46.5	81.7	
19-1/8"		57.4	75.5	75.5	57.4	76.5	90.0	
26-1/2"		42.2	56.3	57.3	42.2	56.3	90.0	
37"	85"	31.4	41.9	44.2	31.4	41.9	73.6	
49"		25.2	33.6	36.7	25.2	33.6	59.1	
53-1/8"		23.9	31.8	35.1	23.9	31.8	55.9	
19-1/8"		48.2	64.3	70.8	48.2	64.3	90.0	
26-1/2"	90"	35.4	47.2	53.5	35.4	47.2	82.9	
37⁵	30	26.2	35.0	41.2	26.2	35.0	61.4	
49"		20.9	27.9	33.9	20.9	27.9	49.0	
						1	1	

CHART 'A' DESIGN LOAD CAPACITY - PSF

MULLIONS RATED IN THESE CHARTS WITH ANY COMBINATION OF FIXED, SINGLE HUNG OR HORIZ. SLIDING WINDOWS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY. (INTERPOLATION BETWEEN WIDTHS ALLOWED)

65.9

49.6

38.0

39.6

29.0

21.4

52.9

38.7

28.6

90.0

68.0

50.2

36"

42"

48"

52.9

38.7

28.6

39.6

29.0

21.4

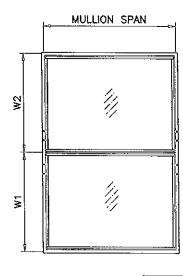
19-1/8"

26-1/2"

37"

Ą	MULLION SPAN	1 OR 2 ANCHORS AT EACH SIDE OF MULLS ALL OTHER ANCHORS TO BE AS PER WINDOW NOA DETAILS
W2		W1 W2
W1		MULLION SPAN
		M M
	V	$IDTH (W) = \frac{W1 + W2}{2}$

FLANGE OR FLUSH FRAMES



96*

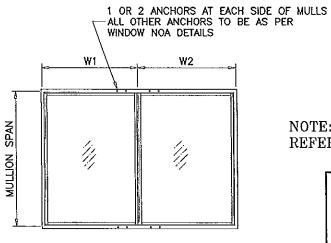
21,9

_

29.3

25.6

23.0



21.9

_

_

29.3

25.6

23.0

51.4

45.0

40.4

W1 + W2 WIDTH (W) =

FIN FRAMES

CHART 'A' DESIGN LOAD CAPACITY - PSF MULLION WITH ANY COMBINATION OF SERIES SENTINEL FIXED, HORIZONTAL SLIDING OR SINGLE HUNG WINDOWS										
WINDO	W DIMS.	1 ANCHOR AT EACH SIDE OF MULLION			2 ANCHORS AT EACH SIDE OF MULLION					
WIDTH (W)	MULL SPAN	MULL TUBE 1 X 2-1/2	MULL TUBE 1 X 3	MULL TUBE 1 X 4	MULL TUBE 1 X 2-1/2	MULL TUBE 1 X 3	MULL TUBE			
24"		90.0	90.0	90.0	90.0	90.0	90.0			
30"		90.0	90.0	90.0	90.0	90.0	90.0			
36"		90.0	90.0	90.0	90.0	90.0	90.0			
42"	48"	90.0	90.0	90.0	90.0	90.0	90.0			
	1									

24 30 36 42 48" 90.0 90.0 90.0 90.0 90.0 90.0 54" 90.0 90.0 90.0 90.0 90.0 90.0 60" 90.0 90.0 90.0 90.0 24" 90.0 90.0 90.0 90.0 90.0 90.0 30" 80.6 80.6 80.6 90.0 90.0 90.0 36" 72.0 72.0 72.0 90.0 90.0 90.0 42" 60" 66.5 66.5 66.5 89.7 90.0 90.0 48" 63.0 63.0 63.0 84.1 90.0 90.0 54" 61.1 61.1 61.1 80.9 90.0 90.0 60" 60.5 60.5 60.5 79.8 90.0 90.0 24" 75.6 75.6 75.6 77.1 90.0 90.0 63.3 30" 63.7 63.7 63.3 84.4 90.0 36" 54.5 56.0 56.0 54.5 72.7 90.0 42" 72" 48.6 50.8 50.8 48.6 64.8 90.0 48" 44.5 47.3 47.3 44.5 59,4 90.0 54" 41.7 44.8 44.8 41.7 55.7 90.0 39.9 60" 43.2 43.2 39.9 53.3 90.0 24" 47.9 63.0 63.0 47.9 64.0 90.0 30" 39.1 52.1 52.6 39.1 52.1 90.0 36" 33.3 44.5 45.8 33.3 44.5 78.1 84* 42* 29,4 39.2 41.1 29.4 39.2 68.9 48" 26.6 35.5 37.8 26.6 35.5 62.3 54" 24.6 32.8 35.4 57.6 24.6 32.8 24" 31.9 42.5 54.0 31.9 42.5 74.7 30" 25.9 34.5 44.8 25.9 34.5 60.6

38.8

34.6

31.5

REFER TO PAGE 2 FOR OTHER COMBINATIONS.

Engr: JAVAD AHMAD CIVIL FLA. PE 1 70592 C.A.N. 3538 FEB 2/5 2015

PRODUCT REVISED as complying with the Florida
Building Code
Acceptance No 14-1103.09
Expiration Date Sept. 22, 2020

By Manuel Pere Miami Dade Product Control

AL-FAROOQ CORPORATION
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1235 S.W. 87 AVE
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SERIES SENTINEL UNCLIPPED ALUM MULLIONS

CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
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TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:
no date
A 10.10.11
B 09.29.14
C 02.25.15 1, 04-02-10 date: 04-02

drawing no. M10 - 01sheet 3 of 7

MULLION WITH COMBINATION OF SERIES SENTINEL SINGLE HUNG WINDOWS OR FIXED TRANSOM								
WINDOW DIMS.		1 ANCHOR AT EACH SIDE OF MULLION			2 ANCHORS AT EACH SIDE OF MULLION			
WIDTH (W)	MULL SPAN	MULL TUBE 1 X 2-1/2	MULL TUBE 1 X 3	MULL TUBE 1 X 4	MULL TUBE 1 X 2-1/2		MULL TUBE 1 X 4	
19-1/8"		90.0	90.0	90.0	90.0	90.0	90.0	
26-1/2"		90.0	90.0	90.0	90.0	90.0	90.0	
37*	50-5/8"	90.0	90.0	90.0	90.0	90.0	90.0	
49"		85.0	85.0	85.0	90.0	90.0	90.0	
53-1/8"		85.0	85.0	85.0	90.0	90.0	90.0	
19-1/8"		90.0	90.0	90.0	90.0	90.0	90.0	
26-1/2"		82.6	82.6	82.6	90.0	90.0	90.0	
37°	63"	66.1	66.1	66.1	90.0	90.0	90.0	
49"		57.7	57.7	57.7	90.0	90.0	90.0	
53-1/8"		56.2	56.2	56.2	88.5	90.0	90.0	
19-1/8"		85.7	85.7	85.7	90.0	90.0	90.0	
26-1/2"		65.5	65.5	65.5	77.7	90.0	90.0	
37"	76*	51.2	51.2	51.2	58.5	73.4	90.0	
49"		43.1	43.1	43.1	47.7	60.0	86.3	
53-1/8"		41.5	41.5	41.5	45.5	57.2	82.9	
19-1/8"		74.8	75.5	75.5	74.8	90.0	90.0	
26-1/2"		55.0	57.3	57.3	55.0	69.1	90.0	
37*	85"	40.9	44.2	44.2	40.9	51.4	83.1	
49"		32.9	36.7	36.7	32.9	41.3	66.8	
53-1/8"		31.1	35.1	35.1	31.1	39.1	63.2	
19-1/8*		62.9	70.8	70.8	62.9	79.0	90.0	
26-1/2"	90"	46.2	53.5	53.5	46.2	58.0	90.0	

CHART 'B' DESIGN LOAD CAPACITY - PSF

MULLIONS RATED IN THESE CHARTS WITH SINGLE HUNG FRAMES MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN BELOW. (INTERPOLATION BETWEEN WIDTHS ALLOWED)

41.2

33.9

65.9

49.6

38.0

34.2

27.3

51.7

37.9

27.9

43.0

34.3

65.0

47.6

35.1

69.4

55.4

90.0

76.9

56.7

41.2

33.9

65.0

47.6

35.1

34.2

27.3

51.7

37.9

27.9

37"

49"

19-1/8*

26-1/2"

37"

96

WIDTH (W) MULL SPAN X 2-1/2 1 X 2-1/2 1 X 3 1 X 4 1 X 4 1 X 3 24" 90.0 90.0 90.0 90.0 90.0 90.0 30" 90.0 90.0 90.0 90.0 90.0 90.0 36" 90.0 90.0 90.0 90.0 90.0 90.0 42" 48 90.0 90.0 90.0 90.0 90.0 90.0 48" 90.0 90.0 90.0 90.0 90.0 90.0 54" 90.0 90.0 90.0 90.0 90.0 90.0 60* 90.0 90.0 90.0 90.0 90.0 90.0 24" 90.0 90.0 90.0 90.0 90.0 90.0 30" 80.6 80.6 80.6 90.0 90.0 90.0 36" 72.0 72.0 72.0 90.0 90.0 90.0 42" 60" 66.5 66.5 66.5 90.0 90.0 90.0 48" 63.0 63.0 63.0 90.0 90.0 90.0 54" 61.1 61,1 61.1 90.0 90.0 90.0 60" 60.5 60.5 60.5 90.0 90.0 90.0 24" 75.6 75.6 75.6 90.0 90.0 90.0 30" 63.7 63.7 63.7 82.5 90.0 90.0 36" 56.0 56.0 56.0 71.1 89.3 90.0 42" 72* 50.8 50.8 50.8 63.4 79.6 90.0 48" 47.3 47.3 47.3 58.1 72.9 90.0 54" 44.8 44.8 44.8 54.4 68.4 89.6 60" 43.2 43.2 43.2 52.1 65.4 86.4 24" 62.6 63.0 62.6 63.0 78.6 90.0 30" 51.0 52.6 52.6 51.0 64.1 90.0 36" 43.5 45.8 45.8 43.5 54.6 88.3 84" 42" 38.4 41.1 41.1 38.4 48.2 77.9 48" 34.7 37.8 37.8 34.7 43.6 70.4 54" 32.1 35.4 35.4 40.3 32.1 65.1 24" 41.6 52.2 54.0 41.6 52.2 84.4 30" 33.7 42.4 44.8 33.7 42.4 68.5 36" 28.6 96" 36.0 38.8 28.6 36.0 58.1 42" 25.1 31.5 34.6 25.1 31.5 50.9 48* 22.5 28.2 31.5 22.5 28.2 45.6

CHART 'B' DESIGN LOAD CAPACITY - PSF MULLION WITH COMBINATION OF SERIES SENTINEL SINGLE HUNG WINDOWS OR FIXED TRANSOM

MULL TUBE MULL TUBE

2 ANCHORS AT

EACH SIDE OF MULLION

MULL TUBE

MULL TUBE

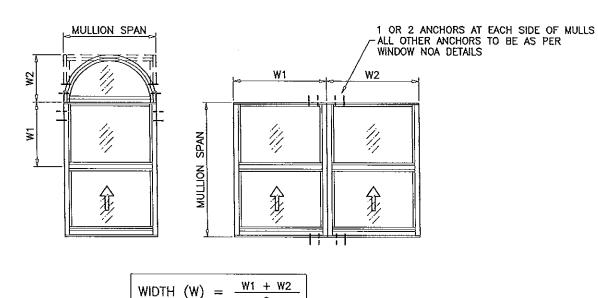
1 ANCHOR AT

EACH SIDE OF MULLION

MULL TUBE

MULL TUBE

WINDOW DIMS.



Engr: JAVAD AHMAD CML FLA. PE # 70592 C.A.N. 3538

By Manuel Jas-Miami/Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 14-110 3, 09
Expiration Date Sept. 22, 2620

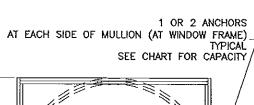
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978 FAX. (305) 262-697: MULLION MULLIONS 593-CGI WINDOWS & DOORS 10100 N.W. 25TH STREET MIAMI, FL. 33172 TEL. (305) 593-6590 FAX. (305) 59 SENTINEL UNCLIPPED ALUM SERIES by description
NO CHANGE THIS S
NO CHANGE THIS S
NO CHANGE THIS S 1 1/2" 8 늉 drawing no. M10 - 01sheet 4 of 7

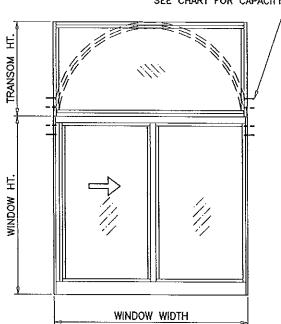
CHART 'C' DESIGN LOAD CAPACITY - PSF HORIZONTAL MULLION WITH COMBINATION OF SERIES SENTINEL FIXED OVER HORIZ, SLIDING WINDOW

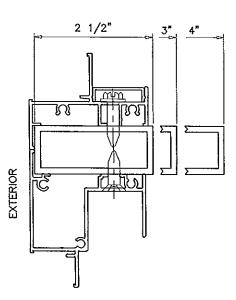
FIXED OVER HORIZ. SLIDING WINDOW								
Wi	NDOW DIM	IS.	1 ANCH		2 ANCHORS AT			
			EACH SIDE		EACH SIDE OF MULLION			
WINDOW WIDTH	WINDOW HEIGHT	TRANSOM HEIGHT	MULL TUBE	MULL TUBES 1 X 3 1 X 4	MULL TUBE	MULL TUBE		
		12"	90.0	90.0	90.0	90.0		
		18"	90.0	90.0	90.0	90.0		
		24"	90.0	90.0	90.0	90.0		
52-1/8"	•	30"	90.0	90.0	90.0	90.0		
		36"	90.0	90.0	90.0	90.0		
		42"	90.0	90.0	90.0	90.0		
		48"	90.0	90.0	90.0	90.0		
	25"	12"	90.0	90.0	90.0	90.0		
		18"	90.0	90.0	90.0	90.0		
		24"	90.0	90.0	90.0	90.0		
73"		30"	81.6	81.6	90.0	90.0		
		36"	74.9	74.9	90.0	90.0		
		42"	69.9	69.9	90.0	90.0		
		48"	66.3	66.3	86.9	90.0		
		12"	90.0	90.0	90.0	90.0		
		18"	90.0	90.0	90.0	90.0		
		24"	90.0	90.0	90.0	90.0		
52-1/8"		30"	90.0	90.0	90.0	90.0		
·		36"	90.0	90.0	90.0	90.0		
	37-3/8"	42"	90.0	90.0	90.0	90.0		
		48"	90.0	90.0	90.0	90.0		
		12"	90.0	90.0	90.0	90.0		
		18"	85.9	86.1	90.0	90.0		
		24"	76.6	76.6	90.0	90.0		
73"		30"	69.8	69.8	90.0	90.0		
		36"	64.8	64.8	83.4	90.0		
		42"	61.0	61.0	78.4	90.0		
		48"	58.3	58.3	74.6	90.0		
		12"	90.0	90.0	90.0	90.0		
		18"	90.0	90.0	90.0	90.0		
		24"	90.0	90.0	90.0	90.0		
36"		30°	90.0	90.0	90.0	90.0		
		36"	90.0	90.0	90.0	90.0		
		42*	90.0	90.0	90.0	90.0		
	49-5/8"	48"	90.0	90.0	90.0	90,0		
		12"	90.0	90.0	90.0	90.0		
		18"	90.0	90.0	90.0	90.0		
		24"	90.0	90.0	90.0	90.0		
52-1/8"		30"	90.0	90.0	90.0	90.0		
		36"	85.9	85.9	90.0	90.0		
		42"	83.3	83.3	90.0	90.0		
		48"	81.9	81.9	90.0	90.0		
		12"	79.1	82.8	90.0	90.0		
		18"	71.2	73.1	90.0	90.0		
		24*	. 65.0	66.1	83.2	90.0		
73"	1	30"	60.2	61.0	77.0	90.0		
		36"	56.4	57.1	72.1	90.0		
		42"	53.4	54.2	68.3	90.0		
l	<u>L</u> .	48"	51.2	52.0	65.4	90.0		

CHART 'C' DESIGN LOAD CAPACITY - PSF HORIZONTAL MULLION WITH COMBINATION OF SERIES SENTINEL FIXED OVER HORIZ. SLIDING WINDOW

WINDOW DIMS.			P .	HOR AT	2 ANCHORS AT EACH SIDE OF MULLION		
WINDOW WIDTH	WINDOW HEIGHT	TRANSOM HEIGHT	MULL TUBE 1 X 2-1/2	MULL TUBES 1 X 3 1 X 4	MULL TUBE 1 X 3	MULL TUBE 1 X 4	
		12"	90.0	90.0	90.0	90.0	
		18"	90.0	90.0	90.0	90.0	
		24"	90.0	90.0	90.0	90.0	
36"		30"	90.0	90.0	90.0	90.0	
		36"	90.0	90.0	90.0	90.0	
		42"	90.0	90.0	90.0	90.0	
		48*	90.0	90.0	90.0	90.0	
	62"	12"	90.0	90.0	90.0	90.0	
		18"	90.0	90.0	90.0	90.0	
		24"	84.0	84.0	90.0	90.0	
52-1/8°		30"	79.3	79.3	90.0	90.0	
		36"	76.1	76.1	90.0	90.0	
		42*	74.1	74.1	90.0	90.0	
		48*	73.0	73.0	90.0	90.0	
		12"	66.3	70.6	84.8	90.0	
73"		18"	60.7	63.4	77.6	90.0	
		24*	56.2	58.1	71.8	90.0	
		30"	52.5	54.1	67.2	90.0	
		36"	49.6	51.0	63.4	90.0	
		42*	47.3	48.7	60.5 .	89.3	
		48*	45.5	46.9	58.2	86.1	







FIXED OVER H.R.

PRODUCT REVISED
as complying with the Florida
Building Code Engr: JAVAD AHMAD CIVIL FLA. PE ∦ 7,0592 C.A.N. 3538 Building Code
Acceptance No 14-1103 09
Expiration Date Sept. 22 2020
By Manuel Jess
Miami Dade Product Control

date: 04-02.
scale: 1/2" =
dr. by: drawing no. M10 - 01

SEB 25 2015

sheet 5 of 7

04-02-10

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